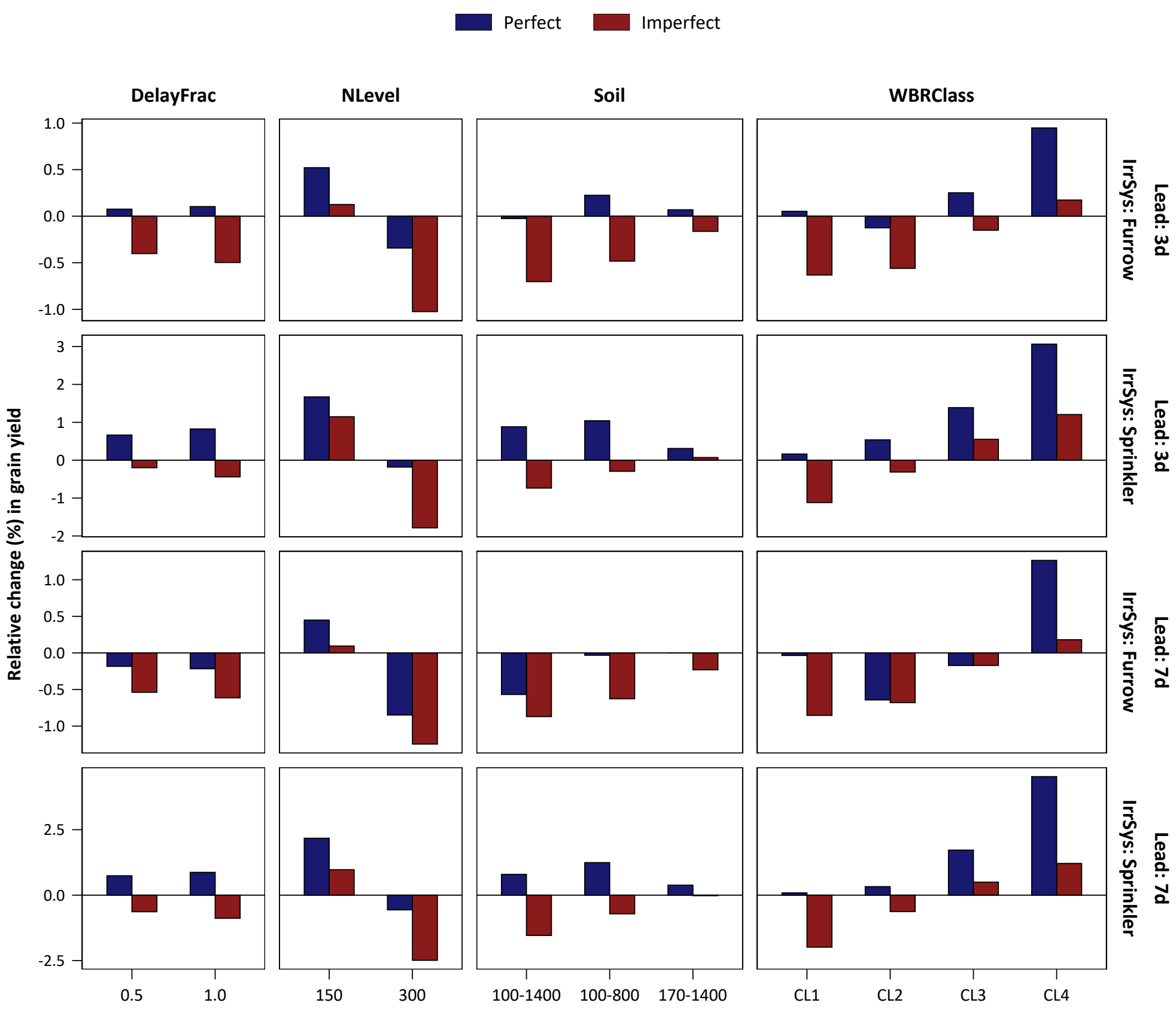
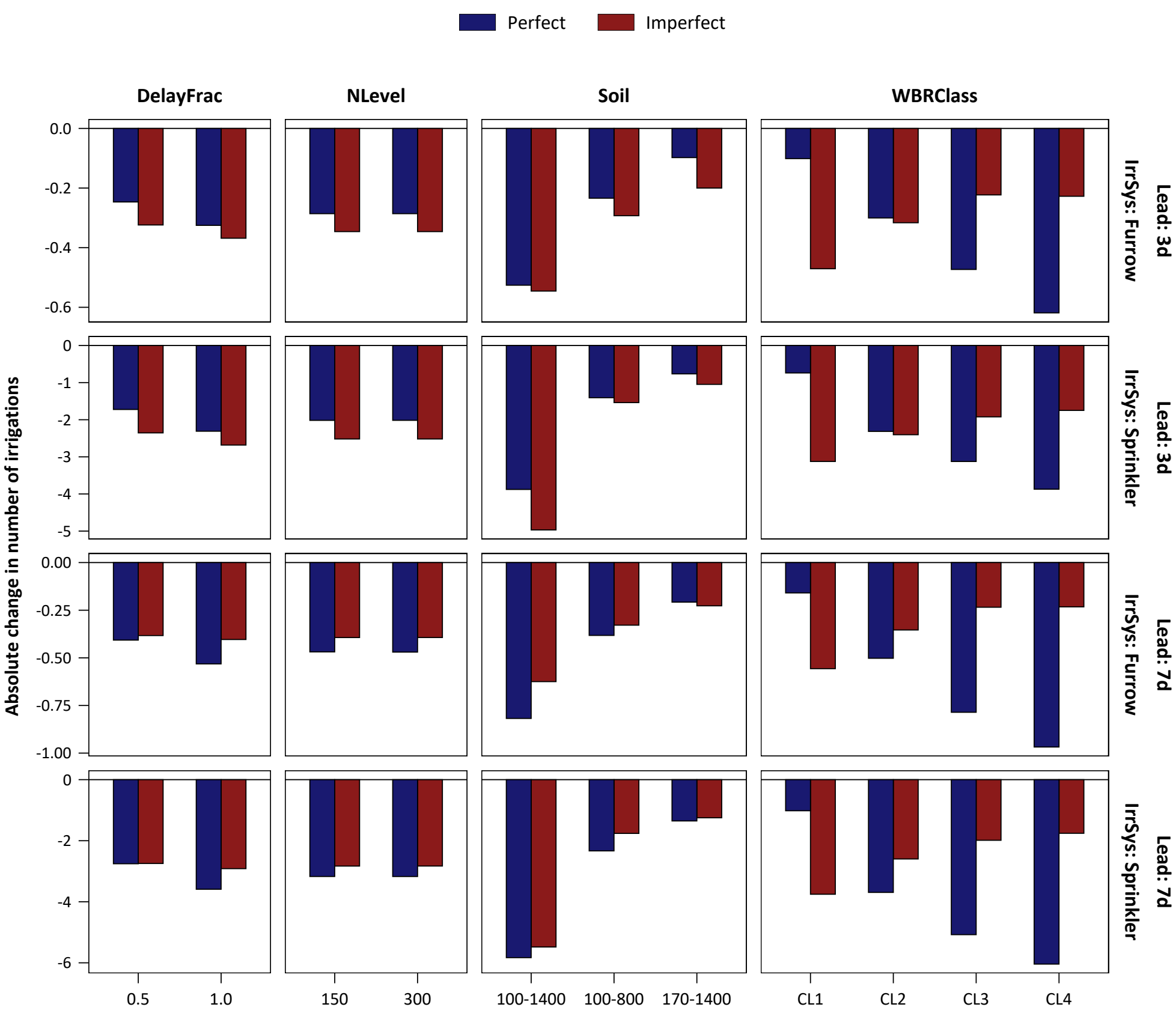
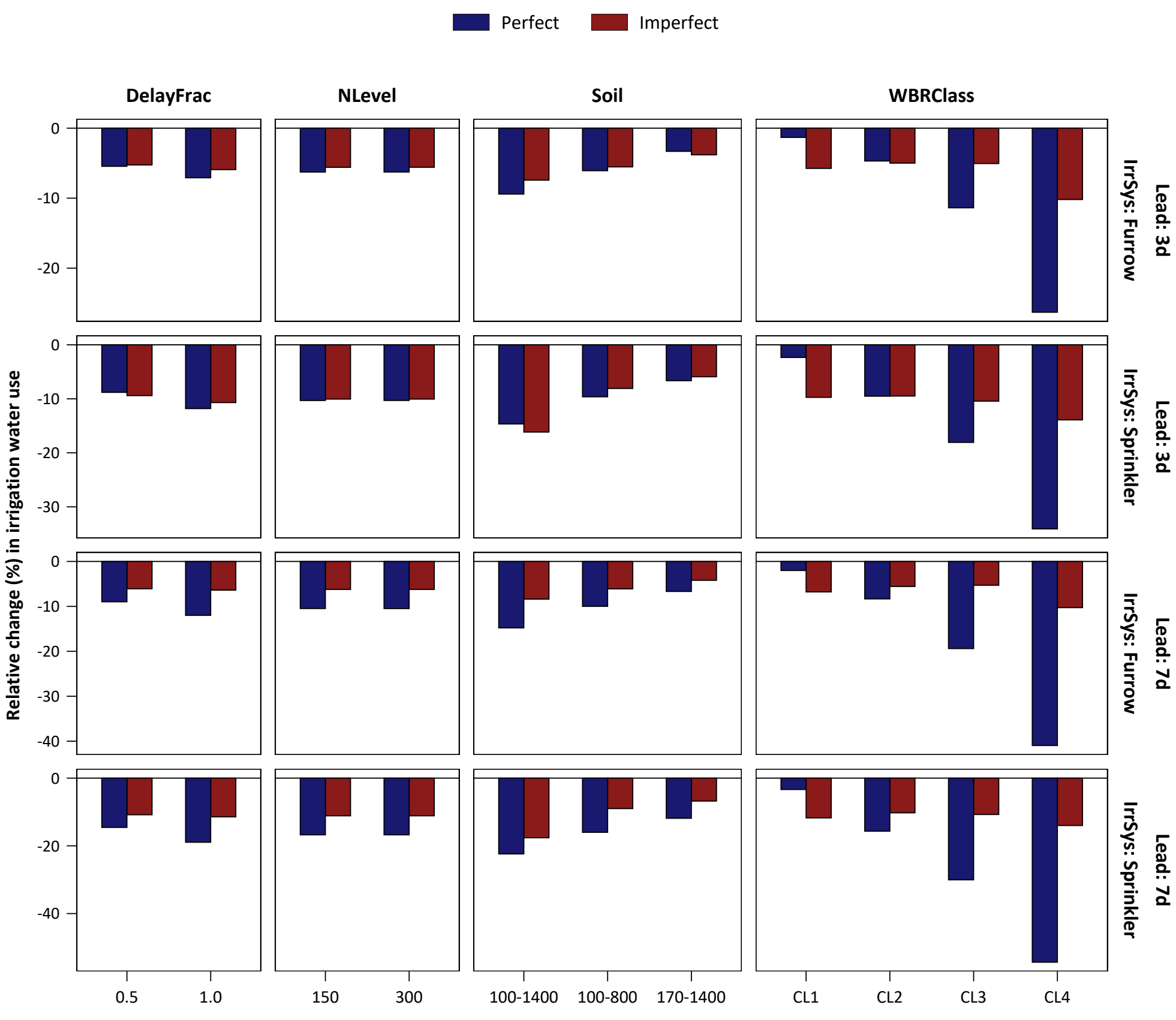
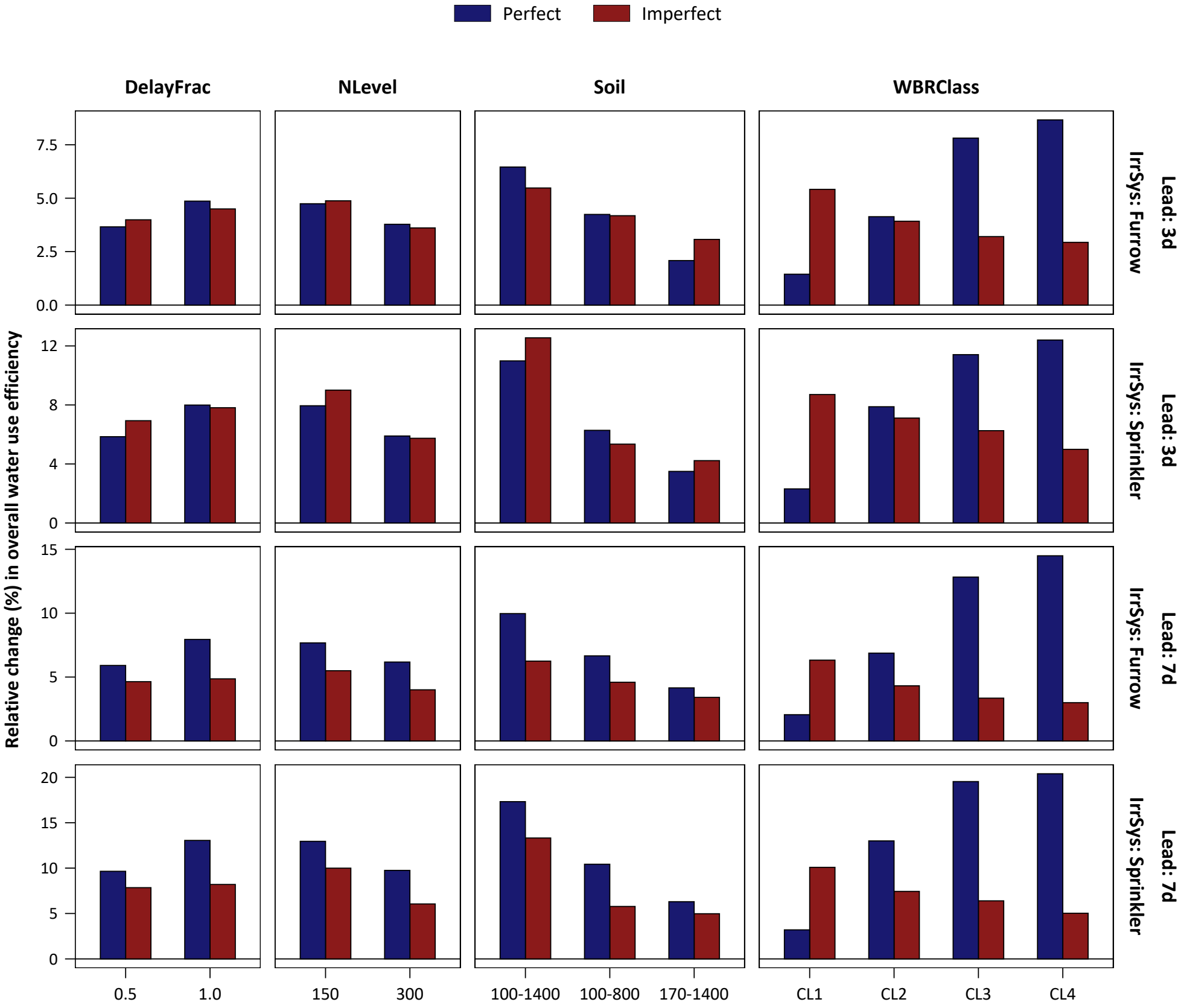
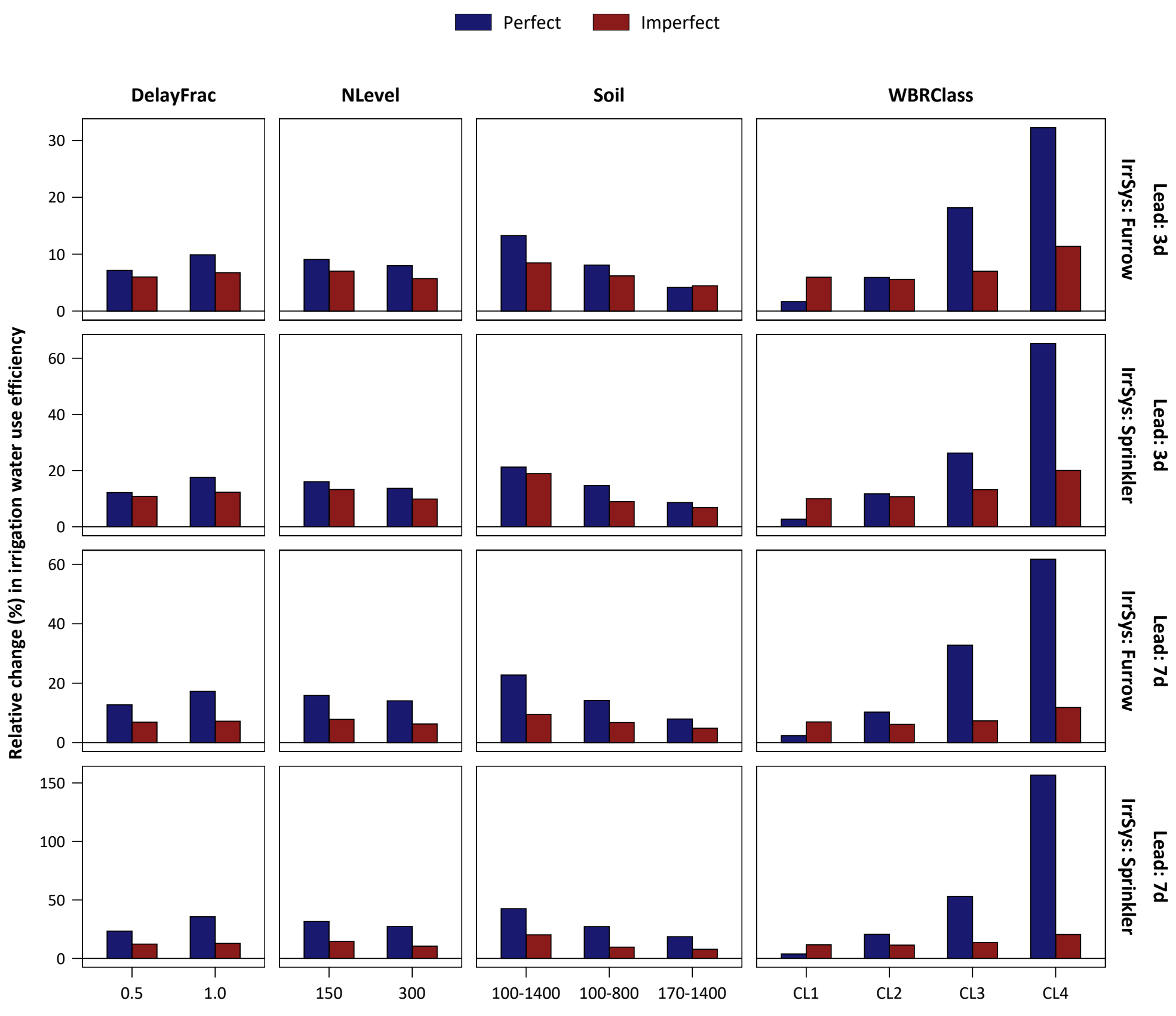
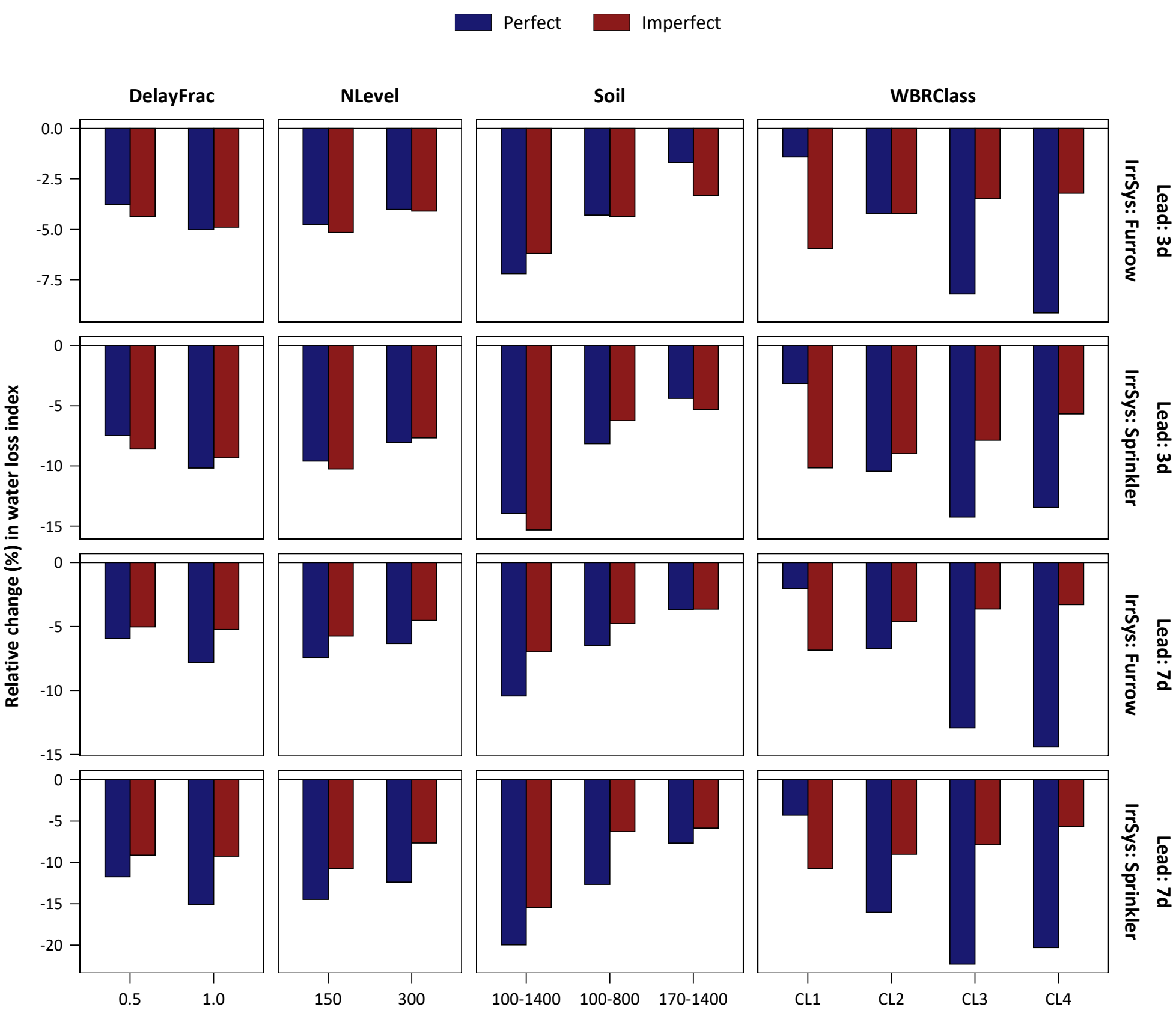

Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Relative change (%) in grain yield
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
1.0
0.5
0.0
-0.5
-1.0
3
2
1
0
-1
-2
2.5
0.0
-2.5
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4

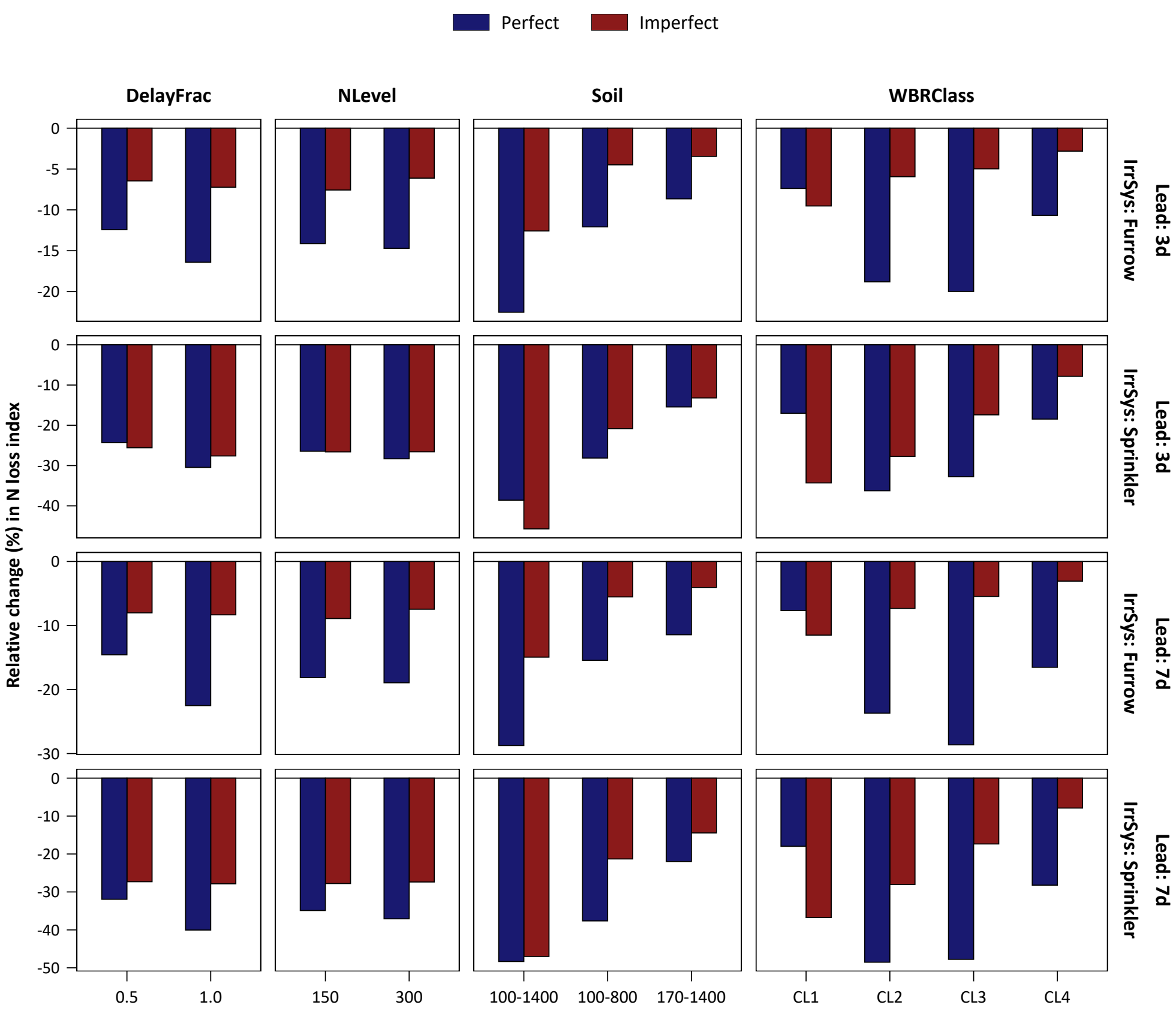

Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Absolute change in number of irrigations
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
0.0
-0.2
-0.4
-0.6
0
-1
-2
-3
-4
-5
0.00
-0.25
-0.50
-0.75
-1.00
0
-2
-4
-6
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4

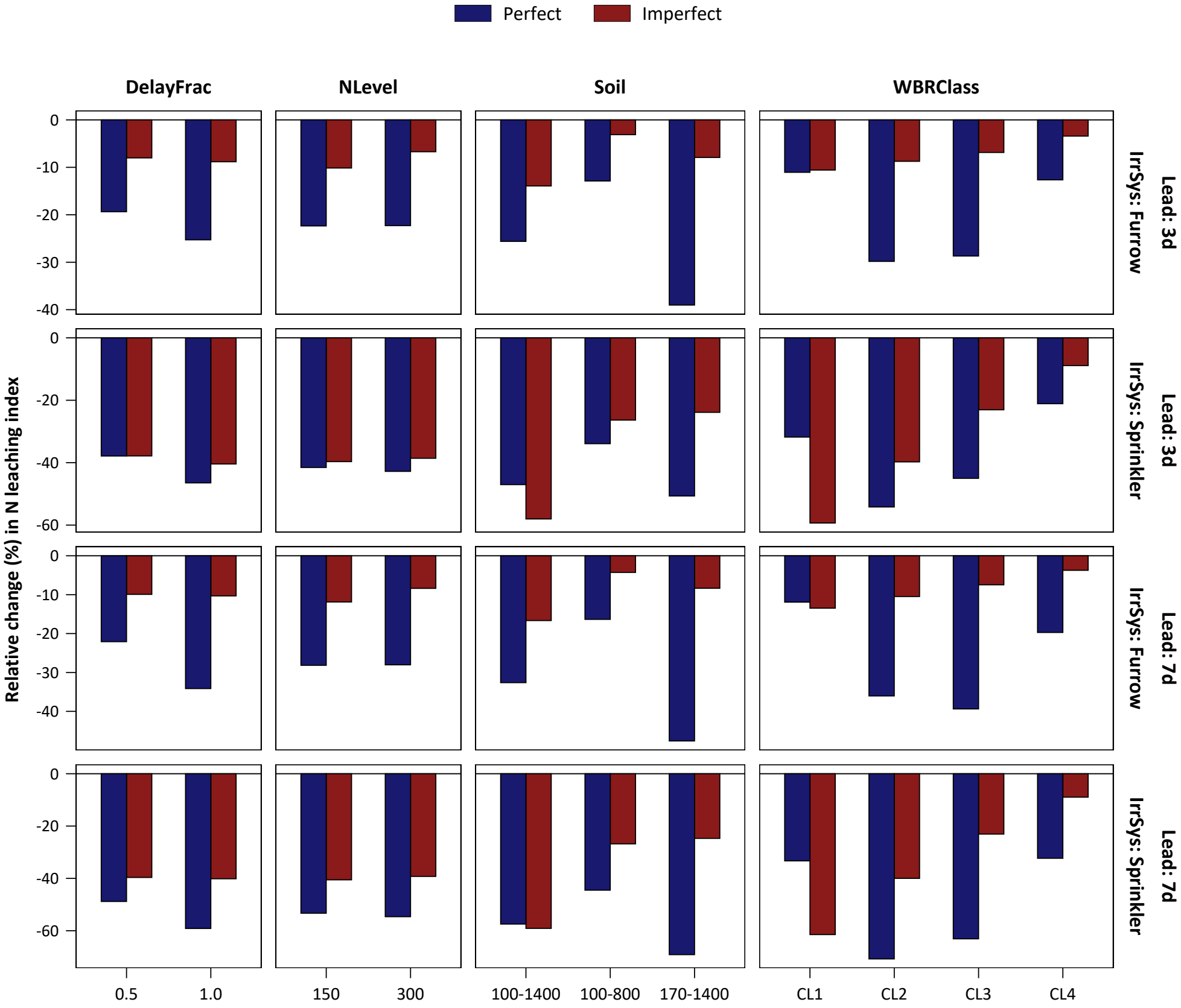

Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Relative change (%) in irrigation water use
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
0
-10
-20
-30
-40
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4

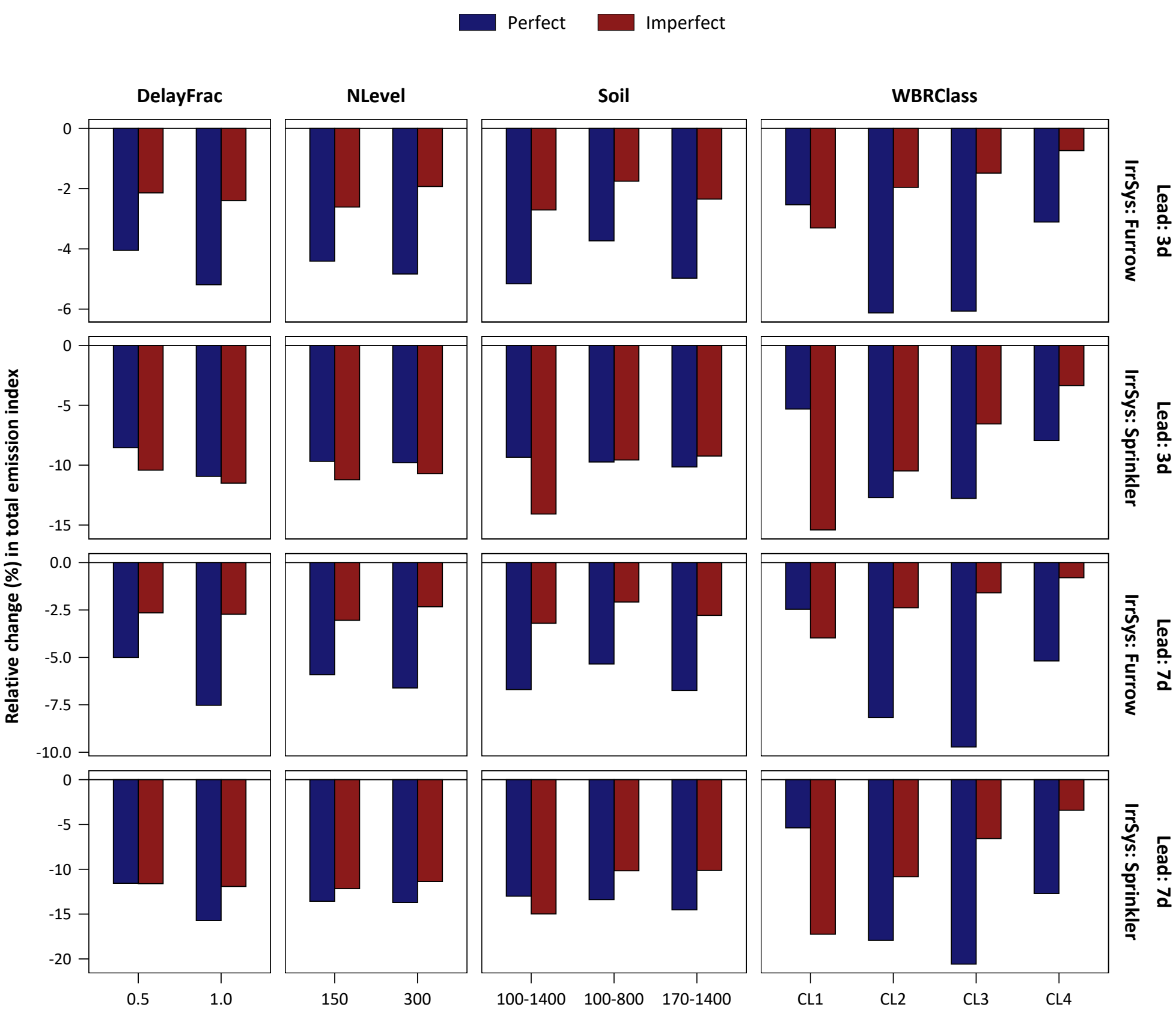

Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Relative change (%) in overall water use efficiency
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
0.0
2.5
5.0
7.5
0
4
8
12
0
5
10
15
0
5
10
15
20
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4

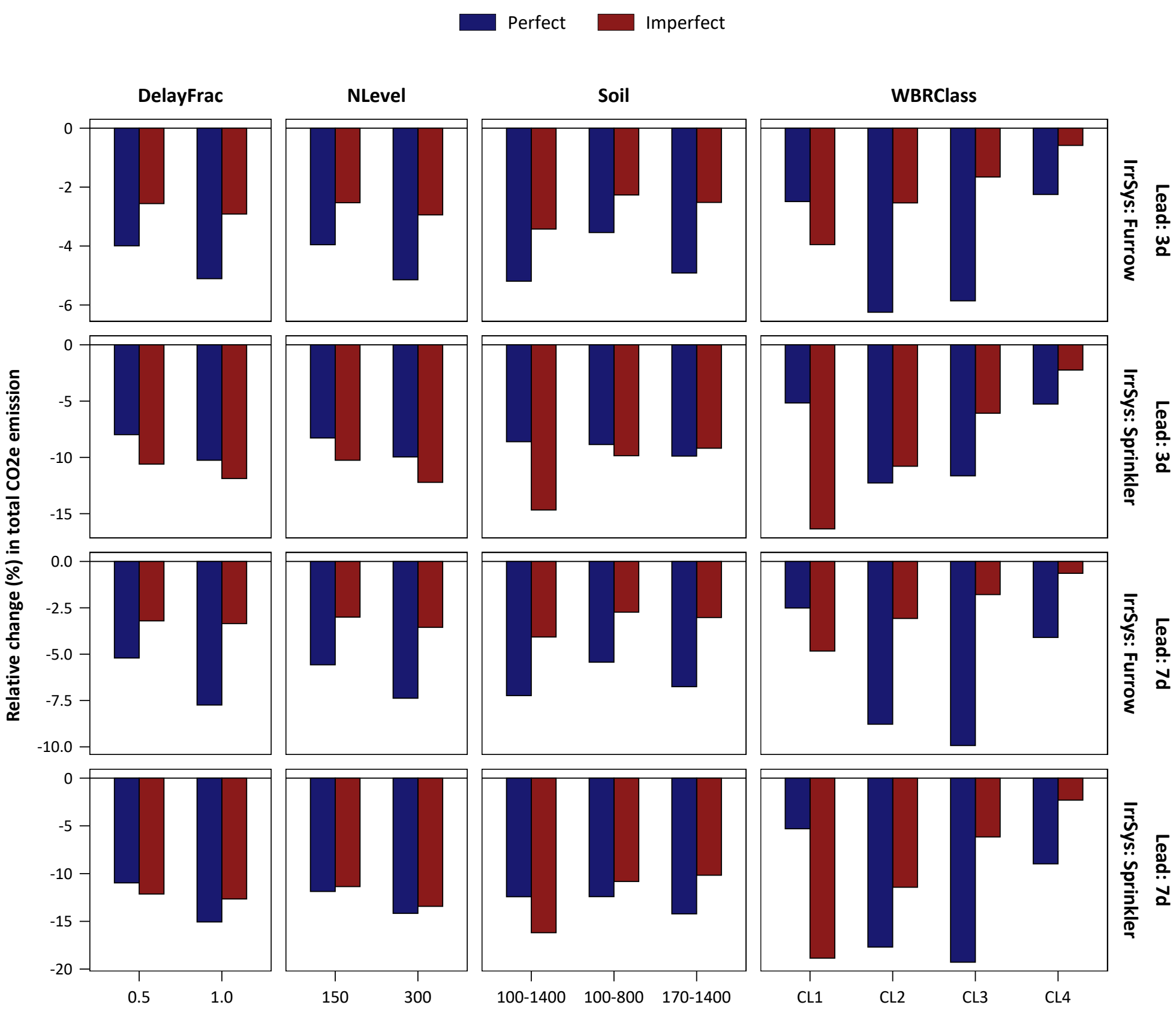

Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
Relative change (%) in irrigation water use efficiency
0
10
20
30
0
20
40
60
0
20
40
60
0
50
100
150
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4


Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Relative change (%) in water loss index
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
0.0
-2.5
-5.0
-7.5
0
-5
-10
-15
-20
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4


Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Lead: 3d
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 7d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Relative change (%) in N loss index
0
-5
-10
-15
-20
-30
-40
-50
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4


Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Relative change (%) in N leaching index
0
-10
-20
-30
-40
-60
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4


Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Lead: 3d
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 7d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Relative change (%) in total emission index
0
-2
-4
-6
0
-5
-10
-15
0.0
-2.5
-5.0
-7.5
-10.0
0
-5
-10
-15
-20
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4


Perfect
Imperfect
DelayFrac
NLevel
Soil
WBRClass
Relative change (%) in total CO2e emission
IrrSys: Furrow
Lead: 3d
IrrSys: Sprinkler
Lead: 3d
IrrSys: Furrow
Lead: 7d
IrrSys: Sprinkler
Lead: 7d
0
-2
-4
-6
0
-5
-10
-15
0.0
-2.5
-5.0
-7.5
-10.0
0
-5
-10
-15
-20
0.5
1.0
150
300
100-1400
100-800
170-1400
CL1
CL2
CL3
CL4